LANGLEY RESEARCH CENTER APPROVAL J.F. Kibler ACCOMDI ISLIMENT

CERES Data Management System Early TRMM Operations



ORIGINAL SCHEDULE APPROVAL ___11/26/97 11/26/97 LAST SCHEDULE CHANGE. 1/1/02 CTATHE AC OF

ACCOMPLISHMENT			STATUS AS OF 4/1/76																						
			Nov '97 Dec '97 Jan '98 Feb '98													Mar '98 Apr '98									
	Week of:	11/3	11/10 11/17	11/24 12/	1 12/8	12/15 1	2/22 12/29 1/5	1/12	1/19	1/26 2/2	2/9	2/16	2/23	3/2	3/9	3/16	3/23 3	3/30 4	/6 4/	/13 4	/20 4/27	5/4			
1			Launch (11/27/9	. / / / '	Power-or (12/3/97)		Covers-open (12/27/97)		o-Spad bratio									RBE-Lil	ke	_			_		
2	External Milestones			VV	<u> </u>		lack		/7/98 <u>)</u>								Archi	ival Ded	cision		∇		_		
3	Continuing Operations					Vı	J			VU		V	U				Vι	U							
4	SS 1.0 Instrument			•	V C		E					∇		F											
5	SS 2.0 & 3.0 ERBE-Like				V C		E					abla	⁷ F	F											
6	Hourly Processing			•	U						1	U		·					Ųυ	J					
7	SS 12.0 MOA Regridding (Daily)									VE	Y	E				⁷ F		:				-	1		
8	SS 4.1 - 4.6 Clouds / Inversion									VE		Ì	E			\bigvee	F	ŀ							
9	SS 5.0 Instantaneous SARB									√E		Ì	E			\bigvee	F						Note		
10	SS 6.0 Synoptic Gridding									VE		7		Ì	E	∇									
11	SS 9.0 SRB/TOA Gridding									VE				7	E	∇	F								
12	Monthly SRB/TOA Processing							Vi	J				V	U	VU	,					Vu		Ī		
13	SS 11.0 Grid Geostationary							*						VE									Note		
14	SS 11.1 Monthly GGEO													Ve				ŀ							
15	SS 9.1 SRB/TOA Gridding															abla	E						Note		
16	SS 10.0 SRB/TOA Averaging															V							NOTE		
17	Monthly Synoptic Processing								V	, U					1	U						7	7		
18	SS 6.1 Synoptic Gridding														Ĭ	V	E					T .	1		
19	SS 7.1 Synoptic Interpolation																E								
20	SS 7.2 Synoptic SARB															,	VE	-							
21	SS 8.0 Synoptic Averaging																VE						Note		
22	Initial Data Validation																								
23	ERBE-Like Products										BDS	-	7/-	ES	S-8	/ _	BDS								
24	Hourly Products	1									S	SF 🗸	7 _T	Ţ		1	VM_		\top		G, SYN				
25	Monthly Products	1									—C	RS—V	-	V	1		V_IVI				RBAVG _	+-	1		

First Validation Month is January, 1998. Validation days are 5, 12, 19, 26.

Note 1: Change from TOA Geocentric to Surface Geodetric coordinate system required changes to all subsystems which were re-delivered throughout March. Insufficient storage at the DAAC has slowed production. Recovery measures underway and the production milestones will be re-planned when storage is available. Note 2: GOES January 1998 datasits for all satellites did not arrive at DAAC until last week of March.

- C Tests with covers-on data
- E Tests with Earth-viewing data
- F First production month
- Milestones: U Subsystem updates to DAAC T Test data products distributed
 - M Full month distributed

LANGLEY RESEARCH CENTER APPROVAL: J.F. Kibler			CERES Data Management System Development ORIGINAL SCHEDULE APPROVAL 10/8/4 LAST SCHEDULE CHANGE 2/7/97															92											
ACCOMPLISHMENT ————————————————————————————————————			Data management System Development												ST	STATUS AS OF									_				
			1994			1995 J F M A M J J A S O N D			1996			1997 J F M A M J J A S O N D		1998		N.D. I.E.	1999		N D	2000			OND	2001) N D		
1	External Milestones	JFMA	MJJA	2 O N D	JFMA	P	FM	J F M	A M J J				TRMN Launc (11/27/	vi ch 🔔	J F MI	_	AM-1 Launc (6/98)	h	MAMJ	JASO	N D	J F MI	P	PM-1 aunch	\wedge	J F MI F	1 M J	ASC	ND
3 4 5	EOSDIS: ECS Releases/Tests Toolkit		'	lacksquare	V		IR-	1 7 •	▼ ,		R-B — stbed			Ž	v2.0	VEG	S Cert	Test			ĺ	A							
6 7	Science Team Meetings Release 1: Preliminary		▼		V	1		V	,	Y		V	1	/		7											-		
8	ATBD		7										1											-					
9	Define Data Interface Requirements			V																						\blacksquare	\dashv		
11	Define Data Products Develop Data Mgmt. System			SRR_	P	DR	()—V	R		OR-			!											-					
12	Release 2: TRMM & EOS Flight							DAA	C ery —				<u> </u>																
13	Revised Data Interface Requirements	\vdash							_				!										_	-			_	_	
14	Revise Data Products	\vdash								W-			<u> </u>								_	╢		+			_	\dashv	
15	Revise Data Management System												1	V							4	⊱		+			_	_	
16	Release 2 Integration	\vdash													<u> </u>	<u>L-1</u>			 - <u>L-2</u> -	—- <u> </u>	3	∺	\dashv	\dashv	\longrightarrow	_	\dashv	\dashv	-
10	Data Product Validation	\vdash								-		-							7/=		\downarrow	\vdash		\vdots		_	\dashv	\dashv	
10	Flight System Optimization Updates:											-					Ť	Ť			Ŧ	=	\dashv	$\frac{\cdot}{1}$		-	\dashv	-	_
20	ATBD						_			— <u>'</u> TI	RMM										<u> </u>	 	1-1	\vdots		_	\dashv	-	
21	Data Products												,	7							司			+					
22	Angular Directional Models												Re	lease	3		Releas	e 4			乙	$\frac{1}{2}$		$\frac{1}{\sqrt{1}}$	\Box		\Box	\Box	
23	3																			DAAC Delivery for TRMM					DAAC Delivery for EOS				
24	Operations and Maintenance															<u></u>	<u> </u>			Deliv	Ci y ii		IVIIVI	_ U	elivei	y 101 1			
25																Ì													
KEY: CR: Code Reviews ATBD: Algorithm Theoretica												cal Ba	sis Do	OR: Operations Reviews SRR: Software Requirements Reviews PDR: Preliminary Design Reviews L - # : Level 1, 2, & 3 Data Products															